

Project Name: _____ Sec. _____, T _____ S, R _____ E

Designer: _____ Firm: _____ Date: _____

WATER PLAN CHECKLIST - FIRST DESIGN REVIEW

FOR DESIGNER REVIEW: Indicate compliance or provide written statement on this form explaining non-compliance.

ITEMS TO BE SUBMITTED WITH PLAN

(N/A - Not Applicable)

Compliance N/A

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1. A current copy of the water plan with engineer's stamp

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2. Approved master plan redlines with Tucson Water comments (Originals)

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3. New unrecorded easement descriptions accompanied by current Title Report (2 month old maximum) and/or recorded legal descriptions for existing easements

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4. Itemized cost estimate with plan name referenced

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5. Final plat, recorded or not, or Record of Survey, or recorded legal description reflecting current property limits (Full-Size or 24"x 36" Max)

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6. Improvement plans or site development plan (Full-Size)

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7. Underground electric layout (Full-Size)

Do you request a copy of the as-built? Yes ☐ No ☐ _____ ☐ County ☐ C.O.T.
City / Town

ITEMS TO BE ADDRESSED ON PLAN

Compliance N/A

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1. 24" x 36" water plan to Tucson Water format w/standard title block & current Tucson Water logo & Inspector's As-Built Block

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2. Standard north arrow and scale in upper right corner of each plan sheet

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3. Standard location plan on cover sheet with C.O.T. ward or County Supervisor district identified adjacent to location plan & latitude, longitude, & source of datum called out below the location plan

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4. Cover sheet with match lines, main sizes, and zones called out on site plan

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5. Cover sheet site plan reflects interior sheets & shows all elements of the water system except water services

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6. General notes and legend on cover sheet

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7. Basis of bearing & basis of elevation called out

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8. Responsible party for fire service billing identified

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9. Owner/Developer information and consultant's logo on cover sheet

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10. Lettering and symbol size acceptable & legible (1/8" min.)

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11. Project boundary & lot lines with adjacent properties identified

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|--------------------------|--------------------------|--|
| <input type="checkbox"/> | | 12. Rights-of-way, full width shown, w/street names labeled public or private |
| <input type="checkbox"/> | <input type="checkbox"/> | 13. Show applicable easements, existing & proposed, & label easements |
| <input type="checkbox"/> | <input type="checkbox"/> | 14. Plan matches easement descriptions; P.O.B., bearings, distances, etc. called out on plan |
| <input type="checkbox"/> | | 15. Inverts or vertical separation called out at all water / sewer crossings and potable / reclaimed crossings |
| <input type="checkbox"/> | | 16. Existing water system shown correctly |
| <input type="checkbox"/> | | 17. Existing and proposed paving, utilities, drainage facilities, and other obstructions in the vicinity of new water construction |
| <input type="checkbox"/> | <input type="checkbox"/> | 18. Development tied down; Sta. 0+00 on survey monument w/applicable stationing |
| <input type="checkbox"/> | | 19. Dimension from connections to all existing valves that may need to be closed during connection |
| <input type="checkbox"/> | <input type="checkbox"/> | 20. Phase lines |
| <input type="checkbox"/> | | 21. All new water system plotted BOLD |
| <input type="checkbox"/> | | 22. Main sizes, configuration acceptable per master plan review w/comment compliance |
| <input type="checkbox"/> | | 23. PVC pipe within a curved easement or right-of-way |
| <input type="checkbox"/> | <input type="checkbox"/> | 24. Abandon existing mains |
| <input type="checkbox"/> | <input type="checkbox"/> | 25. Profile for 12" & larger mains |
| <input type="checkbox"/> | <input type="checkbox"/> | 26. Protected mains, proposed & existing, with applicable notes |
| <input type="checkbox"/> | <input type="checkbox"/> | 27. Corrosion test stations for ductile iron or concrete cylinder, 16" or larger, new & existing; show & label (must be reviewed by CTS Unit - submit two copies of water plan.) |
| <input type="checkbox"/> | | 28. Valving acceptable (2 for tee, 3 for cross and maximum spacing between in-line valves maintained) |
| <input type="checkbox"/> | <input type="checkbox"/> | 29. Air release valves |
| <input type="checkbox"/> | <input type="checkbox"/> | 30. Stubs, drain valve assemblies |
| <input type="checkbox"/> | <input type="checkbox"/> | 31. Fire hydrants per Fire Department requirements |
| <input type="checkbox"/> | <input type="checkbox"/> | 32. Existing service tie-overs, renewals, & abandonment's |
| <input type="checkbox"/> | | 33. Meters located at property to be served, 30" minimum separation between service taps |
| <input type="checkbox"/> | | 34. Electric pedestals & transformers dimensioned 10' minimum from services, hydrants, ARV's & DVA's |
| <input type="checkbox"/> | | 35. Static pressure zones identified, w/closed valves, and zone boundaries labeled |
| <input type="checkbox"/> | | 36. Notes in standard note box |
| <input type="checkbox"/> | | 37. Stationing is accurate, with station equations if applicable |
| <input type="checkbox"/> | | 38. Dimension rights-of-way, waterlines, utilities, pavement, centerline, etc. |
| <input type="checkbox"/> | <input type="checkbox"/> | 39. Special details |



40. Erase behind lettering, symbols, and other pertinent information

41. Plans stamped by P.E. if required by law

Revised 2/05/2008
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